## We claim

- 1. A method of manipulating semiconductor substrates comprising placing a semiconductor substrate on a transportable electrostatic carrier, and keeping the semiconductor substrate placed on the electrostatic carrier for the duration of and between at least two processing steps of the semiconductor substrate.
- 2. The method according to claim 1, wherein the transportable electrostatic carrier has a thickness of 0.3 2.5 mm, comprising using the electrostatic carrier and the wafer placed thereon in unmodified or little-modified machines for processing semiconductor substrates.
- 3. The method according to claim 1, wherein the transportable electrostatic carrier is a component of an electrostatic carrier system, further comprising inductively charging and discharging without contact the electrostatic carrier system.

- 4. The method according to claim 1, wherein the transportable electrostatic carrier includes an integrated electrical charging and/or discharging device, comprising supplying the charging and/or discharging device by a battery or an accumulator.
- 5. The method according to claim 4, comprising controlling the transportable electrostatic carrier for electrostatically charging and/or electrostatically discharging by remote control.
- 6. The method according to claim 1, comprising electrically charging and/or discharging the transportable electrostatic carrier separately in one or more mobile or stationary transfer stations.
- 7. The method according to claim 6, comprising recharging or discharging the electrostatic carrier in a charging station of a processing machine.
- 8. The method according to claim 1, comprising monitoring and/or controlling the steps of securing and/or separating the wafer from the electrostatic carrier by means of position sensors.

- 9. The method according to claim 1, wherein the transportable electrostatic carrier is used in a unipolar or bipolar electrostatic system.
- 10. The method according to claim 1, comprising labelling the electrostatic carrier with an electronic label for facilitating sorting and following a production sequence of individual semiconductor substrates.
- 11. An electrostatic carrier system for manipulating semiconductor substrates, the system comprising at least one transportable electrostatic carrier for a semiconductor substrate and at least one transfer station for transferring the transportable electroctatic carrier with the semiconductor substrate placed thereon between processing steps.
- 12. The system according to claim 11, comprising an integrated electrically charging and/or discharging device for the transportable electrostatic carrier, and a battery or an accumulator for supplying the electrical charging and/or discharging device.

- 13. The system according to claim 12, comprising a remote control for the charging and/or discharging device.
- 14. The system according to claim 11, comprising position sensors for monitoring and/or controlling the position of the semiconductor substrate.
- 15. The system according to claim 11, wherein the system is a unipolar or bipolar electrostatic system.
- 16. The system according to claim 11, wherein the electrostatic carrier has an electronic label.